

United States
Department of
Agriculture

Forest
Service

Northeastern Area
State and Private
Forestry

180 Canfield St.
Morgantown, WV 26505

ACOE
88
WVCH
data

Reply To: 3460

Date: 12/6/88

Mike Fowles
US Army Corps of Engineers
Pittsburgh District
Loyalhanna Lake
RD # 2
Saltsburg, PA 15681-9302

Dear Mr. Fowles:

Enclosed for your information are the 1986-1988 results of gypsy moth trapping on 13 Army Corps of Engineer sites within the Pittsburgh District. Reported are the total number of male gypsy moths found and the trap numbers of those traps that caught at least one moth for 1986, 1987, and 1988 at each site. Additionally, a listing of the number of moths caught in each trap is included for specific sites. Positive catches were recorded at all sites this year.

Catches at Michael J. Kirwin, Mosquito Creek, Stonewall Jackson, and Tygart Lakes indicate that no other life stages (i.e. egg masses, larvae, or pupae) are likely to be present. Although catches at Berlin Lake were also quite low, an average of five egg masses per acre at that site was reported. Continued trapping at all of these sites is desirable to monitor population increases and/or determine when to perform more quantifiable survey methods in the future. If other gypsy moth life stages are observed please contact this office.

Catches at Union City Dam indicate that other life stages are likely to be present, however egg mass surveys at this site were reported to be negative. Continued trapping at this site is desirable until other gypsy moth life stages are consistently observed.

Catches at Conemaugh River, Crooked Creek, Loyalhanna, Mahoning Creek, Shenango, Woodcock Creek, and Youghiogheny Lakes also indicate that other life stages may be present. All of these sites have detected egg masses and suppression proposals have been submitted for Conemaugh, Crooked Creek, and Youghiogheny Lakes. Due to the high trap catches and the widespread sitings of egg masses, we feel that further trapping on these sites is unnecessary.

If you have any questions about these results or other insect or disease related problems, please contact this office.

Thank you for your continued participation in our gypsy moth monitoring program.

Sincerely,

A handwritten signature in cursive script, appearing to read "William R. MacFarlane", written in dark ink.

William R. MacFarlane

Forest Technician

Forest Pest Management

DOD-ARMY CORPS OF ENGINEERS

PITTSBURGH

BERLIN LAKE

	TOTAL MOTHS CAUGHT	POSITIVE CATCH TRAP NO.S
1988	9	1,4,11
1987		TRAPS NOT RETURNED
1986	16	1,3,4,5,6,7,8

CONEMAUGH RIVER LAKE

	TOTAL MOTHS CAUGHT	POSITIVE CATCH TRAP NO.S
1988	8087	ALL
1987	2494	ALL
1986	1750	ALL

CROOKED CREEK LAKE

	TOTAL MOTHS CAUGHT	POSITIVE CATCH TRAP NO.S
1988	3802	ALL
1987	2425	ALL
1986	1280	ALL

LOYALHANNA LAKE

	TOTAL MOTHS CAUGHT	POSITIVE CATCH TRAP NO.S
1988	122	ALL
1987	124	ALL
1986	1034	ALL

MAHONING CREEK LAKE

	TOTAL MOTHS CAUGHT	POSITIVE CATCH TRAP NO.S
1988	7768	ALL
1987	0	NO TRAPS SENT
1986	3467	ALL EXCEPT #3

MICHAEL J. KIRWIN DAM

	TOTAL MOTHS CAUGHT	POSITIVE CATCH TRAP NO.S
1988	4	3,6,7
1987	1	1
1986	9	1,4,5,6,8,9

DOD-ARMY CORPS OF ENGINEERS

PITTSBURGH

MOSQUITO CREEK LAKE

	TOTAL MOTHS CAUGHT	POSITIVE CATCH TRAP NO.S
1988	59	ALL
1987	63	ALL
1986	48	ALL

SHENANGO LAKE

	TOTAL MOTHS CAUGHT	POSITIVE CATCH TRAP NO.S
1988	1827	ALL EXCEPT 1,15
1987	1791	ALL
1986	847	2-8,10,11,12,14,15,16,18,19

STONEWALL JACKSON DAM

	TOTAL MOTHS CAUGHT	POSITIVE CATCH TRAP NO.S
1988	2	4,11
1987	4	18,23
1986	5	2,5,10,14,24

TYGART LAKE

	TOTAL MOTHS CAUGHT	POSITIVE CATCH TRAP NO.S
1988	10	8,9,10,11
1987	48	ALL EXCEPT 4,5,11
1986	25	1,3,6,7,8,9

UNION CITY DAM

	TOTAL MOTHS CAUGHT	POSITIVE CATCH TRAP NO.S
1988	1017	ALL
1987	668	3,4,5
1986	955	ALL

WOODCOCK CREEK LAKE

	TOTAL MOTHS CAUGHT	POSITIVE CATCH TRAP NO.S
1988	2060	ALL
1987	2181	ALL
1986	3975	1,2,3,5,6,7,8,9,10

DOD-ARMY CORPS OF ENGINEERS

PITTSBURGH

YOUGHIOGHENY RIVER LAKE

TOTAL MOTHS

CAUGHT

POSITIVE CATCH TRAP NO.S

1988

4233

ALL

1987

2725

ALL

1986

680

ALL EXCEPT 7

GYPSY MOTH MONITORING REPORT FORM

Page 1 of 1YEAR 88Facility BERLIN LAKE# of Traps Deployed 12Agency US Army Corps of EngineersDate Traps Deployed JUNE 17, 1988Address 3030 BONNER RDDate Traps Retrieved SEPT. 2, 1988DEERFIELD, Ohio 44411Trap Type (circle) delta / milk carton

Trap Sites Recorded By (circle)

map / directions / other (explain)Contact(s) Kelly HARDINGERPhone # (216) 547-3781

Other Life Stages Detected?

(what & how many?) 1 male pupae

Trap #	Moths Captured			Date Trap		Date Trap Replaced(?)	Comments/Other Life Stages in Vicinity
	1 check	2 check	Total	Checked			
1	0	4	7	July 15	Aug 15		2 nd check 4 moths 3 rd check (date retrieved) 3 additional moths
2	0	0	0	"	"		
3	0	0	0	"	"		
4	0	0	1	"	"		
5	0	0	0	"	"		
6	0	0	0	"	"		
7	0	0	0	"	"		
8	TRAP	STOLEN		"	"		
9	0	0	0	"	"		
10	0	0	0	"	"		1 male PUPAE
11	0	0	1	"	"		
12	0	0	0	"	"		
13							
14							
15							

Total moths collected : 9

1 male pupae

GYPSY MOTH MONITORING REPORT FORM

Page 1 of 2YEAR 88Facility Conemaugh River Lake# of Traps Deployed 36Agency U. S. Army Corps of Engineers Date Traps Deployed 20 June 88Address RD# 1, Box 702
Saltsburg, PA 15681-9544Date Traps Retrieved 1 & 2 Sept. 88Trap Type (circle) delta / milk cartonTrap Sites Recorded By (circle)
map / directions / other (explain)Contact(s) James F. ShuskoPhone # 412-459-7240Other Life Stages Detected?
(what & how many?) egg masses

Trap #	Moths Captured			Date Trap Checked	Date Trap Replaced(?)	Comments/Other Life Stages in Vicinity
	1 check	2 check	Total			
1			250			
2			118			
3			138			
4			134			
5			110			
6			243			
7			215			
8			230			
9			352			
10			350			
11			370			
12			400			
13			220			
14			300			
15			350			

GYPSY MOTH MONITORING REPORT FORM

Page 2 of 2YEAR 88Facility Conemaugh River LakeAgency U.S. Army Corps of Engineers

Trap #	Moths Captured			Date Trap Checked	Date Trap Replaced(?)	Comments/Other Life Stages in Vicinity
	1 check	2 check	Total			
16			275			
17			215			
18			350			
19			275			
20			200			
21			200			
22			212			
23			115			
24			160			
25			305			
26			175			
27			280			
28			310			
29			145			
30			150			
31			75			
32			245			
33			Destroyed			
34			175			
35			125			
36			320			

GYPSY MOTH
TRAPPING RESULTS

NAME OF SITE Crocker Creek Lake DATE 6 Sept. 1988
CONTACT Bill Nelson, Ranger PHONE # 412/763-3161

Trap Number	Number of Moths	Comment
* 1	740	Between gauge house and Environmental Learning Center
2	205	Covered Bridge Area and Dedrich property
3	410	Kerr + Boarts Road
4	282	Cherry Run North
5	179	Cochran Mills
6	328	Robb's Fording
7	197	Wildlife Compartment #4
8	256	Manor Mineral Limestone Quarry
9	375	Coal Bank Hollow
10	323	Old Girl Scout Camp
* 11	507	Group Camping Area
12		
13	*	These two sites were added to areas to be surveyed, due to their recreational importance. Burlap banding, pheromone traps and egg mass counts were performed at these sites. The bands were monitored from 4 Apr 1988 through 4 September 1988, on a weekly basis. Results attached. Please note on enclosed map the proximity of these two sites to the immediate intensive recreation areas.
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		

TOTAL NUMBER OF MOTHS 3,802

ADDITIONAL COMMENTS: all life stages were detected in all above areas

GYPSY MOTH MONITORING REPORT FORM

Page of YEAR Facility Loyalhanna Lake# of Traps Deployed 5Agency Date Traps Deployed Address Date Traps Retrieved

Trap Type (circle) delta / milk carton

Trap Sites Recorded By (circle)
map / directions / other (explain)Contact(s) Phone # Other Life Stages Detected?
(what & how many?)

Trap #	Moths Captured			Date Trap Checked	Date Trap Replaced(?)	Comments/Other Life Stages in Vicinity
	1 check	2 check	Total			
1			13			Bone Yard Dam
2			15			Dam Site Picnic Area
3			88			Kiski Grp. Camp Area
4			4			Primitive Camp Area
5			2			Bush Amphitheatre
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

GYPSY MOTH MONITORING REPORT FORM

Page 1 of 1YEAR 1988

Facility Mahoning Creek Lake

Agency U.S. Army Corps of Engineers

Address RD#1, Box 229
New Bethlenem, PA 16242-9603

Contact(s) Michael E. Mazzocco

Phone # 814-257-8811

of Traps Deployed 10

Date Traps Deployed 17 June 1988

Date Traps Retrieved 25 August 1988

Trap Type (circle) delta / milk carton

Trap Sites Recorded By (circle)
map / directions / other (explain)

Other Life Stages Detected?
 (what & how many?) larvae, egg masses,
pupae

Trap #	Moths Captured			Date Trap		Date Trap Replaced(?)	Comments/Other Life Stages in Vicinity
	1 check	2 check	Total	Checked			
1	270	226	496	28 Jul	25 Aug	NA	Observed larvae, pupae, adults, and egg masses.
2	474	320	794	"	"	"	"
3	711	450	1161	"	"	"	"
4	588	340	928	"	"	"	"
5	370	53	423	"	"	"	"
6	585	79	664	"	"	"	"
7	358	345	703	"	"	"	"
8	280	381	661	"	"	"	"
9	800	514	1314	"	"	"	"
10	373	251	624	"	"	"	"
XXX	4809	2958	7768				
2							
3							
4							
5							

GYPSY WORM MONITORING REPORT FORM

Page ofYEAR 88Facility M.J. Kierwan Dam & Reservoir # of Traps Deployed 10Agency US Army Corps of Engineers Date Traps Deployed June 17, 1988Address P.O. Box 58
Weyland, OH
44285Date Traps Retrieved August 31, 1988Trap Type (circle) delta / milk carton

Trap Sites Recorded By (circle)

map / directions / other (explain)Contact(s) Susan KlinePhone # 216 - 398 - 2622

Other Life Stages Detected?

(what & how many?) No

Trap #	Moths Captured 1 check / 2 check / Total			Date Trap Checked	Date Trap Replaced(?)	Comments/Other Life Stages in Vicinity
1	0	0	0			
2	0	0	0			no egg masses found during survey
3	0	1	1			no egg masses found during survey
4	0	0	0			
5	0	0	0		7/24/88	
6	0	1	1			new location no egg masses found during survey
7	0	2	2			new location no egg masses found during survey
8	0	0	0			
9	0	0	0			
10	0	0	0		7/24/88	
11						
12						
13						
14						
15						

GYPSY WORM MONITORING REPORT FORM

Page 1 of 1YEAR 1988Facility Mosquito Creek Lake# of Traps Deployed 10Agency US Army Corps of EngineersDate Traps Deployed 6-13-88Address 2961 B Warren-Meadville RdDate Traps Retrieved 9-2-88Coastland, OH
44416-9303Trap Type (circle) delta / milk carton

Trap Sites Recorded By (circle)

map / directions / other (explain)Contact(s) Dana Krider / Candu AllmanPhone # (216) 637-1961Other Life Stages Detected?
(what & how many?)

Trap #	Moths Captured			Date Trap		Date Trap Replaced(?)	Comments/Other Life Stages in Vicinity
	1 check	2 check	Total	Checked			
1	0	2	2	7-13	8-10	7/13/88	Campground
2	0	4	4	7-13	8-10	-	Everett-Hull
3	0	6	8	7-13	8-10	-	Husel-Craft
4	0	3	3	7-13	8-10	-	Mahan-Drummer
5	0	1	1	7-13	8-10	-	Wildlife Refuge
6	0	10	11	7-13	8-10	-	Lakeview
7	0	7	7	7-13	8-10	-	RT 305
8	0	6	6	7-13	8-10	-	Cemetery
9	0	8	8	7-13	8-10	-	McCleary Jacoby
10	0	9	9	7-13	8-10	-	Causeway, Sp. Sh.
11							
12							
13							
14							
15							

GYPSY MOTH MONITORING REPORT FORM

Page 1 of 2YEAR 1992Facility Shenango River Lake# of Traps Deployed 20Agency US Army Corps of EngineersDate Traps Deployed 6/15/88Address 2442 Kelly Rd.
Hermitage, PA 16150Date Traps Retrieved 8/28/88Trap Type (circle) delta / milk carton

Trap Sites Recorded By (circle)

map / directions / other (explain)Contact(s) C M Brudowsky/Park RangerPhone # (412)962-7746

Other Life Stages Detected?

(what & how many?) Egg Masses (4) silver Dollar size

Trap #	Moths Captured 1 check / 2 check / Total			Date Trap Checked		Date Trap Replaced(?)	Comments/Other Life Stages in Vicinity
1	X	X	---	7/15	8/28	N/A	Mammal Present - Moths Eaten Mahaney Recreation Area
2	X	X	45	7/15	8/28	N/A	Parkers Landing Access Area
3	X	X	70	7/15	8/28	N/A	Golden Run Recreation Area
4	X	X	45	7/15	8/28	N/A	Route 252 - Ohio
5	X	X	84	7/15	8/28	N/A	Carlisle Road Area
6	X	X	30-100	7/15	8/28	N/A	Contents Wet & Rotted Beaver Pond Road Access Area
7	X	X	30	7/15	8/28	N/A	PA Game Comm. Propagation Area
8	X	X	43	7/15	8/28	N/A	Shenango Recreation Area
9	X	X	122	7/15	8/28	N/A	Shenango Recreation Area
10	X	X	15	7/15	8/28	N/A	Bayview Area
11	X	X	50	7/15	8/28	N/A	Golden Run Recreation Area
12	X	X	83	7/15	8/28	N/A	Golden Run Recreation Area
13	X	X	41	7/15	8/28	N/A	Boy Scout Camping Area
14	X	X	204	7/15	8/28	N/A	Big Bend Pipeline Area
15	X	X	---	7/15	8/28	N/A	Large Quantity - Wet & Rotted Camp Nazareth Area

GYPSY MOTH MONITORING REPORT FORM

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YEAR 1988

Facility Sherango River LakeAgency US Army Corps of Engineers

Trap #	Moths Captured			Date Trap Checked	Date Trap Replaced(?)	Comments/Other Life Stages in Vicinity
	1 check	2 check	Total			
16	X	X	138	7/15 8/28	N/A	Stamm Road - New Hamburg Area
17	X	X	306	7/15 8/28	N/A	PA Game Comm. New Hamburg Area
18	X	X	198	7/15 8/28	N/A	(4) egg masses - silver dollar Kidd's Mill Covered Bridge Area
19	X	X	171	7/15 8/28	N/A	Mercer Recreation Area
20	X	X	132	7/15 8/28	N/A	Hopper Road Access Area
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
32						
33						
34						
35						

YEAR 1988

Facility Stonewall Jackson Lake

of Traps Deployed 24

Agency U.S. Army Corps Of Engineers

Date Traps Deployed 06/12/88

Address Rt. 3, Box 370

Date Traps Retrieved 09/06/88

Weston, WV 26452-0748

Trap Type (circle) delta / milk carton

Trap Sites Recorded By (circle)

map / directions / other (explain)

Contact(s) Karen Sitoski

Phone # 304/269-4552

Other Life Stages Detected?

(what & how many?) NO

Trap #	Moths Captured 1 check / 2 check / Total			Date Trap Checked	Date Trap Retrieved(?)	Comments/Other Life Stages in Vicinity
1	X	X	0	7/13/88	8/7/88	None
2	X	X	0	7/13/88	8/7/88	None
3	X	X	0	7/13/88	8/7/88	None
4	X	X	<u>1</u>	7/13/88	8/7/88	None
5	X	X	0	7/13/88	8/7/88	None
6	X	X	0	7/14/88	8/7/88	None
7	X	X	0	7/14/88	8/7/88	None
8	X	X	0	7/14/88	8/7/88	None
9	X	X	0	7/14/88	8/7/88	7/14/88 None
10	X	X	0	7/14/88	8/7/88	None
11	X	X	<u>1</u>	7/13/88	8/7/88	None
12	X	X	0	7/13/88	8/7/88	None
13	X	X	0	7/13/88	8/7/88	None
14	X	X	0	7/13/88	8/7/88	None Missing trap on 9/6/88
15	X	X	0	7/13/88	8/7/88	None

GYPSY MOTHS MONITORING REPORT FORM

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YEAR 1988

Renewall Jackson LakeU.S. Army Corps Of Engineers

	Moths Captured			Date Trap		Date Trap Replaced(?)	Comments/Other Life Stages in Vicinity
	1 check	2 check	Total	Checked			
6	X	X	0	7/13/88	8/7/88		None
7	X	X	0	7/13/88	8/7/88		None
8	X	X	0	7/13/88	8/7/88		None
19	X	X	0	7/13/88	8/7/88		None
20	X	X	0	7/13/88	8/7/88	7/14/88	None
21	X	X	0	7/13/88	8/7/88		None
22	X	X	0	7/13/88	8/7/88		None
23	X	X	0	7/13/88	8/7/88		None
24	X	X	0	7/13/88	8/7/88		None
25							
26							
27							
28							
29							
30							
31							
32							
33							
34							
35							

GYPSY MOTH MONITORING REPORT FORM

Page 1 of 1YEAR 1988Facility TYGART LAKE# of Traps Deployed 13Agency U.S. ARMY CORPS OF ENGINEERSDate Traps Deployed 6-20-88Address Rt 1 Box 257
Grafton, WV
26354Date Traps Retrieved 8-28-88Trap Type (circle) delta / milk cartonTrap Sites Recorded By (circle)
map / directions / other (explain)Contact(s) Rick Miller
Phone # (304) 265-1760Other Life Stages Detected?
(what & how many?)

Trap #	Moths Captured 1 check / 2 check / Total			Date Trap Checked	Date Trap Replaced(?)	Comments/Other Life Stages in Vicinity
1			0	8-28		
2			0	"		
3			0	"		
4			0	"		
5			0	"		
6			0	"		
7			0	"		
8			1	"		
9			1	"		
10			4	"		
11			4	"		
12			0	"		
13			0	"		
14			—			
15			—			

GYPSY MOTH MONITORING REPORT FORM

Page 2 of 2YEAR 1978

Facility Union City Dam
 Agency U.S. Army Corps of Engineers
 Address Widdow Creek Lake
P.O. Box 429
Sagehen, MT 59433

of Traps Deployed 5Date Traps Deployed 6-18-88Date Traps Retrieved 9-13-88Trap Type (circle) delta / milk cartonTrap Sites Recorded By (circle)
map / directions / other (explain)

Contact(s) Pat Morheim
 Phone # (404) 763-4422

Other Life Stages Detected?
 (what & how many?) NONE

Trap #	Moths Captured			Date Trap		Date Trap Replaced(?)	Comments/Other Life Stages in Vicinity
	1 check	2 check	Total	Checked			
1	<u>0</u>	<u>212</u>	<u>34</u> <u>246</u>	<u>7/20</u>	<u>8-28</u>	<u>9-13</u> <u>Removed</u>	<u>No other stages noticed</u>
2	<u>0</u>	<u>120</u>	<u>61</u> <u>181</u>	<u>7/21</u>	<u>8-28</u>	<u>9-13</u>	
3	<u>0</u>	<u>129</u>	<u>32</u> <u>161</u>	<u>7/21</u>	<u>8-28</u>	<u>9-13</u>	
4	<u>1</u>	<u>182</u>	<u>28</u> <u>210</u>	<u>7/21</u>	<u>8-28</u>	<u>9-13</u>	
5	<u>0</u>	<u>142</u>	<u>77</u> <u>219</u>	<u>7/21</u>	<u>8-28</u>	<u>9-13</u>	
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							

GYPSY MOTH MONITORING REPORT FORM

Page 1 of 2

YEAR 1988

Facility Woodcock Creek Lake# of Traps Deployed 10Agency U.S. Army Corps of EngineersDate Traps Deployed 6-17-88Address Woodcock Creek LakeDate Traps Retrieved 9-6 + 9-9-88P.O. Box 629Sagehen PA 16433Trap Type (circle) delta / milk carton

Trap Sites Recorded By (circle)

map / directions / other (explain)Contact(s) Pat MonheimPhone # (814) 763-4420

Other Life Stages Detected?

(what & how many?)

Trap #	Moths Captured ^{MOVED}				Date Trap Checked	Date Trap Retrieved(?)	Comments/Other Life Stages in Vicinity
	1 check	2 check	Total	Total			
1	4	336	79	419	7/24	8-28 9/9 <i>removed</i>	
2	5	322	51	378	7/24	8-28 9/9	
3	6	204	18	228	7/21	8-28 9/9	
4	1	23	3	27	7/21	8-28 9/9	8-28 - Bottom partially open.
5	4	101	42	147	7/21	8-28 9/9	
6	0	0	0	0	7/21	8-28 9/6	Bottom open → 7-21 No larvae found TRAP 3-28-88.
7	2	195	42	239	7/21	8-28 9/6	
8	0	261	2	263	7/21	8-28 9/6	
9	1	133	58	192	7/21	8-28 9/6	
10	0	140	21	167	7/21	8-28 9/6	one gypsy moth was flying around box when he checked it.
11							Bottom open
12							
13							
14							
15							

NO other life stages were detected during the survey.

YEAR 1988Facility Youghiogay River Lake # of Traps Deployed 10Agency U.S. Army Corps of Engineers Date Traps Deployed 6/21/88Address RD #1, Box 17 Date Traps Retrieved 8/31/88Confluence, PA15424-410 Trap Type (circle) delta / milk carton

Trap Sites Recorded By (circle)

map / directions / other (explain)Contact(s) Linda Slater / SuzannePhone # 814-345-3242

Other Life Stages Detected?

(what & how many?) Larvae / Egg Masses

Trap #	Moths Captured			Date Trap		Date Trap Replaced(?)	Comments/Other Life Stages in Vicinity
	1 check	2 check	Total	Checked			
1	100	157	257	20 July	23 Aug.	#	380 / acre
2	37	328	365	20 July	23 Aug.		25 / acre
3	219	412	631	21 July	23 Aug.		666 / acre
4	11	83	94	20 July	23 Aug.		7 / acre
5	87 87	442	529	21 July	23 Aug.		7 / acre
6	259	321	580	21 July	23 Aug.		261 / acre
7	80	287	367	21 July	23 Aug.		2 / acre
8	131	409	540	7-22	23 Aug.		4 / acre
9	69	301	370	21 July	23 Aug.		7 / acre
10	167	333	500	7-22	23 Aug.		31 / acre
11							
12							
13							
14							
15							

Avg. egg mass counts/acre

* Trap #'s correspond w: areas on 5-min. walks.